Vol. 181 No. 1/2

GENE

AN INTERNATIONAL JOURNAL ON GENES AND GENOMES

28 November 1996

CONTENTS

Wang, W., Acland, G.M., Aguirre, G.D. and Ray, K. 1–5
Cloning and characterization of the cDNA and gene encoding the γ-subunit of cGMP-phosphodiesterase in canine retinal rod photoreceptor cells

Bjerknes, M. and Cheng, H. 7–11
TCFL4: a gene at 17q21.1 encoding a putative basic helix-loop-helix leucine-zipper transcription factor

Sizova, I.A., Lapina, T.V., Frolova, O.N., Alexandrova, N.N., Akopiants, K.E. and Danilenko, V.N. 13–18
Stable nuclear transformation of *Chlamydomonas reinhardtii* with a *Streptomyces rimosus* gene as the selective marker

Kormanec, J., Homerová, D., Potúčková, L., Nováková, R. and Rezuchová, B. 19–27
Differential expression of two sporulation specific σ factors of *Streptomyces aureofaciens* correlates with the developmental stage

Braun, V., Hundsberger, T., Leukel, P., Sauerborn, M. and Eichel-Streiber, C. von 29–38
Definition of the single integration site of the pathogenicity locus in *Clostridium difficile*

Mochizuki, N., Cho, G., Wen, B. and Insel, P.A. 39–43
Identification and cDNA cloning of a novel human mosaic protein, LGN, based on interaction with $G_{\alpha i2}$

Oishi, K.-i., Sugiura, R., Shuntoh, H. and Kuno, T. 45–49
Cloning and characterization of *hsc1*$^+$, a heat shock cognate gene of the fission yeast *Schizosaccharomyces pombe*

Brennan, M.D., Thorpe, P.A., Hu, J. and Dickinson, W.J. 51–55
Molecular organization of the alcohol dehydrogenase loci of *Drosophila grimshawi* and *Drosophila hawaiiensis*

Parales, J.V., Kumar, A., Parales, R.E. and Gibson, D.T. 57–61
Cloning and sequencing of the genes encoding 2-nitrotoluene dioxygenase from *Pseudomonas* sp. JS42

Bauer, V.W., Swaffield, J.C., Johnston, S.A. and Andrews, M.T. 63–69
CADp44: a novel regulatory subunit of the 26S proteasome and the mammalian homolog of yeast Sug2p

Kim, L., Mogk, A. and Schumann, W. 71–76
A xylose-inducible *Bacillus subtilis* integration vector and its application

Gerth, U., Wipat, A., Harwood, C.R., Carter, N., Emmerson, P.T. and Hecker, M. 77–83
Sequence and transcriptional analysis of *clpX*, a class-III heat-shock gene of *Bacillus subtilis*

Węgleńska, A., Jacob, B. and Sirko, A. 85–88
Transcriptional pattern of *Escherichia coli ihfB* (*himD*) gene expression

Chen, Y. and Roxby, R. 89–94
Characterization of a *Phytophthora infestans* gene involved in vesicle transport

Yaver, D.S. and Golightly, E.J. 95–102
Cloning and characterization of three laccase genes from the white-rot basidiomycete *Trametes villosa*: genomic organization of the laccase gene family

Reizer, J., Reizer, A., Merrick, M.J., Plunkett, G. III, Rose, D.J. and Saier, M.H. Jr. 103–108
Novel phosphotransferase-encoding genes revealed by analysis of the *Escherichia coli* genome: a chimeric gene encoding an Enzyme I homologue that possesses a putative sensory transduction domain

Wösten, M.M.S.M., Dubbink, H.J. and van der Zeijst, B.A.M. 109–112
The *aroA* gene of *Campylobacter jejuni*

Azam, A., Paul, J., Sehgal, D., Prasad, J., Bhattacharya, S. and Bhattacharya, A. 113–116
Identification of novel genes from *Entamoeba histolytica* by expressed sequence tag analysis

Wang, J.-Y., Qiu, L. and Drlica, K. 117–120
Hammerhead ribozyme structure probed by cell extracts

Zhu, Y., Yang, C., Magee, D.M. and Cox, R.A. 121–125
Coccidioides immitis Antigen 2: analysis of gene and protein

Cisneros, B., Court, D., Sanchez, A. and Montañez, C. 127–133
Point mutations in a transcription terminator, λ*tI*, that affect both transcription termination and RNA stability

Reifenrath-Biesel, B. and Abken, H. 135–137
In vitro display of DNA elements that modulate the RNA transcription *in cis* or *in trans* directions

Soukri, A., Valverde, F., Hafid, N., Elkebbaj, M.S. and Serrano, A. 139–145
Occurrence of a differential expression of the glyceraldehyde-3-phosphate dehydrogenase gene in muscle and liver from euthermic and induced hibernating jerboa (*Jaculus orientalis*)

Yamamoto, H., Uchiyama, S. and Sekiguchi, J. 147–151
The *Bacillus subtilis* chromosome region near 78° contains the genes encoding a new two-component system, three ABC transporters and a lipase

Yang, M., Hosokawa, Y., Kaneko, S., Tanaka, M. and Nakashima, K. 153–159
Structure and characterization of rat cyclin *D3* promoter

Tsuboyama, N., Hosokawa, Y., Totani, M., Oka, J., Matsumoto, A., Koide, T. and Kodama, H. 161–165
Structural organization and tissue-specific expression of the gene encoding rat cysteine dioxygenase

Ikeda, M., Arai, K.-i. and Masai, H. 167–171
A fusion protein library: an improved method for rapid screening and characterization of DNA binding or interacting proteins

Xie, D., Narasimhan, P., Zheng, Y.-W., Dewey, M.J. and Felder, M.R. 173–178
Ten kilobases of 5′-flanking region confers proper regulation of the mouse alcohol dehydrogenase-1 (*Adh-1*) gene in kidney and adrenal of transgenic mice

(continued on inside back cover)

Kindly note that the scope of the journal has recently changed. Several articles in this issue were under consideration before this change was initiated.

For insight into the present scope, potential authors of Gene articles are referred to the description published at the front of this issue, as well as to the Editorial and contents of issue 174/1. All information about Gene, including tables of contents, can also be found at:

http://www.elsevier.nl/locate/gene or http://www.elsevier.com/locate/gene

0378-1119(1996)181:1-2;1-S

Koyama, Y. and Ohmori, H. 179–183
Nucleotide sequence of the *Escherichia coli solA* gene encoding a sarcosine oxidase-like protein and characterization of its product

Ogasa, H., Noma, T., Murata, H., Kawai, S. and Nakazawa, A. 185–190
Cloning of a cDNA encoding the human transforming growth factor-β type II receptor: heterogeneity of the mRNA

Taylor, C.A.M., Coates, D. and Shirras, A.D. .. 191–197
The *Acer* gene of *Drosophila* codes for an angiotensin-converting enzyme homologue

Medvedev, A., Yan, Z.-H., Hirose, T., Giguère, V. and Jetten, A.M. 199–206
Cloning of a cDNA encoding the murine orphan receptor RZR/RORγ and characterization of its response element

Kanegae, Y., Takamori, K., Sato, Y., Lee, G., Nakai, M. and Saito, I. 207–212
Efficient gene activation system on mammalian cell chromosomes using recombinant adenovirus producing Cre recombinase

Asayama, M., Tanaka, K., Takahashi, H., Sato, A., Aida, T. and Shirai, M. 213–217
Cloning, sequencing and characterization of the gene encoding a principal sigma factor homolog from the cyanobacterium *Microcystis aeruginosa* K-81

Short Communications

Tsurushita, N., Fu, H. and Berg, E.L. 219–220
PCR cloning of the cDNA encoding baboon L-selectin

Blunt, D.S., Montelone, B.A., Upton, S.J. and Khramtsov, N.V. 221–223
Sequence of the parasitic protozoan, *Cryptosporidium parvum*, putative protein disulfide isomerase-encoding DNA

Nirasawa, S., Masuda, Y., Nakaya, K. and Kurihara, Y. 225–227
Cloning and sequencing of a cDNA encoding a heat-stable sweet protein, mabinlin II

Folk, P., Půta, F., Krpejšová, L., Blahůšková, A., Markoš, A., Rabino, M. and Dottin, R.P. 229–231
The homolog of chromatin binding protein Bx42 identified in *Dictyostelium*

Voice, M.W., Seckl, J.R. and Chapman, K.E. .. 233–235
The sequence of 5′ flanking DNA from the mouse 11β-hydroxysteroid dehydrogenase type 1 gene and analysis of putative transcription factor binding sites

Author Index Vol. 181 (1996) 237–239